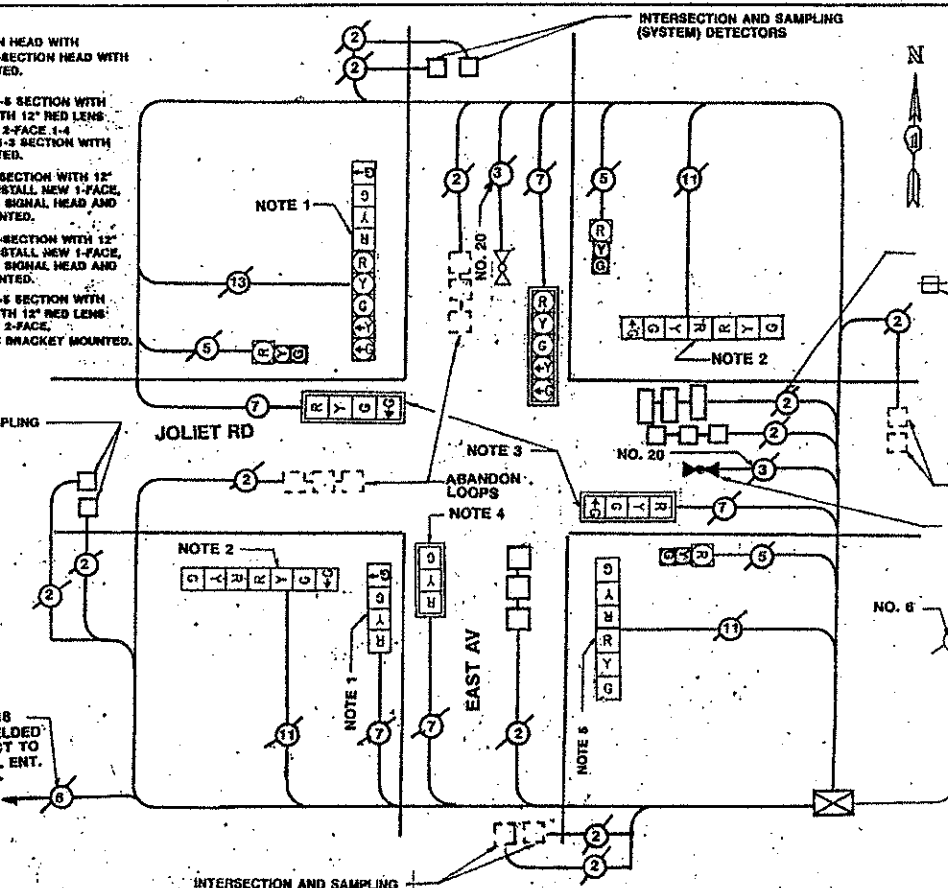


PROPOSED SEQUENCE OF OPERATION

MOVEMENT	2	1	3+8	4+8
JOLIET RD E/B FAR LEFT AND MAST ARM SIGNALS	G	Y	R	R
JOLIET RD E/B NEAR RIGHT AND FAR RIGHT SIGNALS	G	Y	R	R
JOLIET RD W/B FAR LEFT AND MAST ARM SIGNALS	R	R	G	Y
JOLIET RD W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	G	Y
EAST AV N/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R
EAST AV N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R
EAST AV S/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R
EAST AV S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R

NOTE: IF CALLS ARE PRESENT SIMULTANEOUSLY FOR PHASE 2 AND PHASE 1, PHASE 2 SHALL BE SERVICED BEFORE PHASE 1.

- NOTES**
- REMOVE EXISTING 3-SECTION HEAD WITH 12" LENSES. INSTALL NEW 4-SECTION HEAD WITH 12" LENSES BRACKET MOUNTED.
 - REMOVE EXISTING 2-FACE, 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE, 1-4 SECTION WITH 12" RED LENS, 1-3 SECTION WITH 12" LENSES BRACKET MOUNTED.
 - REMOVE EXISTING 1-FACE, 5-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 4-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
 - REMOVE EXISTING 1-FACE, 5-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 3-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
 - REMOVE EXISTING 2-FACE, 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE, 3-SECTION WITH 12" LENSES BRACKET MOUNTED.



*** 04 RS-2 CABLE PLAN LEGEND**

8" (200mm) TRAFFIC SIGNAL SECTION	12" (300mm) TRAFFIC SIGNAL SECTION	12" (300mm) PEDESTRIAN SIGNAL SECTION	12" (300mm) PEDESTRIAN SIGNAL SECTION
CONTROLLER CABINET	SERVICE INSTALLATION	VEHICLE DETECTOR, INDUCTIVE LOOP	MAGNETIC DETECTOR
EMERGENCY VEHICLE LIGHT DETECTOR	CONFIRMATION BEACON	PUSHBUTTON DETECTOR	RAILROAD CONTROL CABINET
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. SIGNAL FACE WITH BACKPLATE. * INDICATES PROGRAMMED HEAD.			
ELIMINATED SIGN, FIBER OPTIC NO LEFT TURN	ELIMINATED SIGN, FIBER OPTIC NO RIGHT TURN		

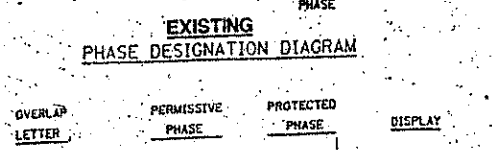
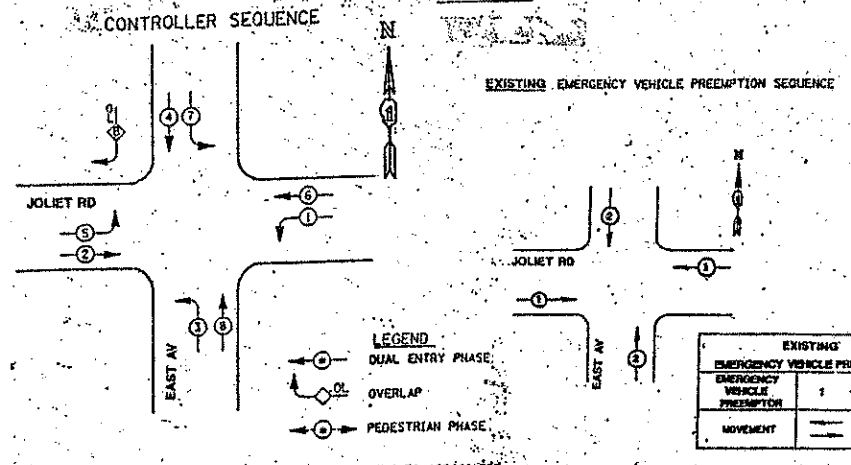
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	PAY ITEM
4	EACH	REMOVE EXISTING JUNCTION BOX
2	EACH	HEAVY-DUTY HANDHOLE
4	EACH	DRILL EXISTING HANDHOLE
1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
3	EACH	TRAFFIC SIGNAL BACKPLATE
456	FOOT	DETECTOR LOOP, TYPE I
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
50	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	3	5	8	PREEMPTION NUMBER 2	PREEMPTION NUMBER 4	PREEMPTION NUMBER 5	CLEAR TO NORMAL SEQUENCE								
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2	3	4	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	OR 1E	OR 3	1H	OR 4	1L	OR 4								
JOLIET RD E/B FAR LEFT AND MAST ARM SIGNALS	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	R	◇
JOLIET RD E/B NEAR RIGHT AND FAR RIGHT SIGNALS	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	R	◇
JOLIET RD W/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	Y	R	G	R	R	R	R	R	R	R	G	R	◇
JOLIET RD W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	Y	R	G	R	R	R	R	R	R	R	G	R	◇
EAST AV N/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	Y	R	G	Y	R	G	R	R	G	◇
EAST AV N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	Y	R	G	Y	R	G	R	R	G	◇
EAST AV S/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	G	◇
EAST AV S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	G	◇

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3 OR 4 IS TERMINATED.



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED AND EXISTING SEQUENCE OF OPERATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE, CABLE PLAN AND SCHEDULE OF QUANTITIES
JOLIET RD AT EAST AV
 SCALE: VERT. NONE HORIZ. 1"=40' DATE: 6-20-98
 DRAWN BY APZ DESIGNED BY SM CHECKED BY RKF

FILE NAME: VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD.
 RESURFACING

USER NAME: THK
 DESIGNED: THK
 DRAWN: JFP
 CHECKED: JLC
 DATE: 4/12

REVISED: --
 REVISED: --
 REVISED: --
 REVISED: --

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL DESIGN DETAILS - EAST AVENUE AND JOLIET AVENUE (FOR INFORMATION ONLY)
 SCALE: N.T.S. SHEET NO. OF SHEETS: 24

Frank Novotny & Associates, Inc.
 820 Midway Drive • Wheeling, IL • 60091 • Telephone: (815) 887-8660 • Fax: (815) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 181-60005

PLAN: 2719	SECTION: 11-00019-00-RS	COUNTY: COOK	TOTAL SHEETS: 29	SHEET NO.: 17
CONTRACT NO. 63736		ILLINOIS FED. AID PROJECT: M-9903 (888)		